Chemistry is a branch of the physical sciences involving the study of matter and the manner in which it changes and reacts as well as the laws which govern these reactions. It focuses on the composition, characteristics, changes, and uses of substances and energy. It also explores the benefits and dangers of those substances to people. The chemistry major provides students with experience in each of the subdisciplines of chemistry: inorganic, organic, analytical, biological and physical. Employment opportunities in chemistry are excellent. Qualified, creative graduates find employment teaching or performing research in virtually any industry. Good fellowships and assistantships are available for those going on to graduate school.

**Associated Job Titles:**
- Lab Technician
- Chemical Operator
- Chemical Technologist
- Chemist
- Criminologist
- Science Writer
- Teacher
- Biochemist
- Anesthesiologist
- Agronomist
- Dentist
- Dietitian
- Geneticist
- Internist
- Pharmacist
- Physicist
- Toxicologist
- Physician
- College Professor

**Associated Skills:**
- Good vision and manual dexterity
- Ability to conduct and clearly explain scientific research
- Aptitude for accurate details
- Ability to organize, analyze, and interpret scientific data
- Ability to make critical observations and appropriate decisions
- Strong mathematical background
- Must know how to operate and derive information from computers
- Must be analytical and logical in decision-making
- Intellectual capacity to perform well in undergraduate and graduate curriculums

**Associated Personal Qualities:**
- Intellectual growth
- Achievement
- Detail-oriented
- Patience
- Responsibility
- Flexibility
- Enjoys scientific research and development
- Can work alone and concentrate for long periods of time

**Career Library Resources:**
- Opportunities in Chemistry
- Peterson’s Job Opportunities in Health and Science
- Opportunities in Pharmacy Careers
- Opportunities in Health and Medical Careers
- What Color Is Your Parachute?
- Career Planning Today
- Majoring in the Rest of Your Life
- Do What You Are

**Encyclopedia of Careers and Vocational Guidance**
- The Enhanced Guide for Occupational Exploration
- The Dictionary of Occupational Titles
- The Occupational Outlook Handbook
- FOCUS Computer Guidance System

**Places To Contact For More Information:**
- The American Institute of Chemists, Inc.
  501 Wythe St.
  Alexandria, VA. 22314

- American Chemical Society
  Career Education
  1155 16th St. NW
  Washington, DC 20036

- The Chemical Management & Resources Association
  60 Bay St. Suite 702
  Staten Island, NY 10301

**Websites To Visit:**
- http://acswebcontent.acs.org/home.html
- www.aatcc.org
- www.aoac.org
- www.chemheritage.org
- www.chemistry.org
- www.theaic.org

**Professors To Contact For More Information:**
- Professor Bobby Baldridge, Chair
- Dr. Bruce Branan
- Dr. Don Burgess
- Dr. Larry Olsen
- Dr. Melinda Stull

**Nearby Employers:**
- Central Kentucky Research Associates Inc.
  2366 Nicholasville Rd. 275-1966
- Excellence in Research
  120 N. Eagle Creek Dr. 263-0615
- International Center for Material Research
  750 Enterprise Drive 233-0388
- Kentucky Clinical Research Inc.
  2104 Langdon Ct. 223-6388
- Central Baptist Hospital
  1740 Nicholasville Rd. 275-6100
- University of Kentucky
  257-9000

*Addresses listed are located in the Lexington, Kentucky area unless otherwise noted.*

**Alumni Contacts:**
Schedule an appointment with Career Services to conduct a tailored search for alumni working in the fields associated with this major.